

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/004852

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04L9/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 2 775 399 A (FRANCE TELECOM) 27 August 1999 (1999-08-27) page 8, line 1 - line 20 ----- -/-	1,10,11, 14-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

9 June 2005

Date of mailing of the international search report

17/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Holper, G

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/004852

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>CHIN-MIOG HSU ET AL INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "A group digital signature technique for authentication" PROCEEDINGS 37TH. ANNUAL 2003 INTERNATIONAL CARNAHAN CONFERENCE ON SECURITY TECHNOLOGY. (ICCST). TAIPEI, TAIWAN, OCT. 14 - 16, 2003, IEEE INTERNATIONAL CARNAHAN CONFERENCE ON SECURITY TECHNOLOGY, NEW YORK, NY : IEEE, US, vol. CONF. 37, 14 October 2003 (2003-10-14), pages 253-256, XP010705498 ISBN: 0-7803-7882-2 abstract page 254, left-hand column, line 7 - right-hand column, line 12</p>	1,10,11, 14-17
A	<p>WO 02/060210 A (TELENOR ASA; SANDBERG, LEIF; ROEDBERG-LARSEN, KJELL) 1 August 2002 (2002-08-01) page 4, line 6 - line 11 page 5, line 9 - line 13</p>	1,11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2005/004852

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 2775399	A	27-08-1999	FR 2775399 A1	27-08-1999
WO 02060210	A	01-08-2002	NO 20010427 A	25-07-2002
			BR 0206632 A	17-02-2004
			CA 2433321 A1	01-08-2002
			CN 1488230 A	07-04-2004
			EP 1371255 A1	17-12-2003
			HU 0400771 A2	30-08-2004
			JP 2004518374 T	17-06-2004
			WO 02060210 A1	01-08-2002
			US 2004053642 A1	18-03-2004